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**AUG 3 - 2007**

PTO/SB/21 (04-07)


Approved for use through 09/30/2007. OMB 0651-0031

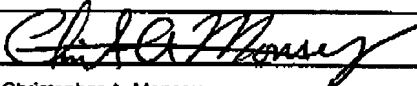
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/662,169	
	Filing Date	09/11/2003	
	First Named Inventor	Ahlens, Jeffray	
	Art Unit	3752	
	Examiner Name	Kim, Christopher	
Total Number of Pages in This Submission	8	Attorney Docket Number	84,321

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. PTO form 82 (1 page) 2. Evidence of authority for POA signature (5 pages) 3. PTO Form 98 (1 page)
Remarks NOTE: 10 USC 5022 authorizes US Navy Office of Naval Research (ONR) to prosecute patent applications before the USPTO. Two memorandums are attached from ONR delegating authority to NAVSEA General Counsel, currently Ms. Anne Brennan; PTO Form 82 is signed by Ms. Brennan.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	NSWC Crane, Office of Counsel		
Signature			
Printed name	Christopher A. Monsey		
Date	August 3, 2007	Reg. No.	53,343

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	Christopher A. Monsey	Date	August 3rd, 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

AUG 3 - 2007

PTO/SB/96 (04-07)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: United States of America as represented by the Secretary of the NavyApplication No./Patent No.: 10/662,169; Pat 6,907,940 Filed/Issue Date: 09/11/2003; 06/21/05Entitled: Fast Response Fluid Flow Control Valve/NozzleUnited States as represented by the Sec of Navy, a U.S. Government Agency (Department of the Navy)  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

A ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014562, Frame 0965, or for which a copy thereof is attached.

OR

B ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.☐ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Christopher A. Monsey  
SignatureAugust 3, 2007

Date

Christopher A. Monsey, Reg No 53,343812 854-4100

Printed or Typed Name

Telephone Number

Patent Counsel, Naval Surface Warfare Center, Crane Division

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1480, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

AUG 3 - 2007 TO: 68/82 (01-06)

Approved for use through 12/31/2008 OMB 0851-0035  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
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**REVOCATION OF POWER OF ATTORNEY WITH  
NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	10/662,169
Filing Date	09/11/2003
First Named Inventor	Ahlers, Jeffrey
Art Unit	3752
Examiner Name	Kim, Christopher
Attorney Docket Number	84321

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number: **69,282**

☒ Please change the correspondence address for the above-identified application to:

☒ The address associated with Customer Number: **69,282**

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone	Email		

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Signature	<i>Anne Brennan</i>		
Name	Anne Brennan		
Date	5/2/07	Telephone	(202) 781-3084

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**TITLE 10 > Subtitle C > PART I > CHAPTER 503 > § 5022****§ 5022. Office of Naval Research: duties**

*Release date: 2005-07-12*

- (a)
- (1) There is in the Office of the Secretary of the Navy an Office of Naval Research.
  - (2) Unless appointed to higher grade under another provision of law, an officer, while serving in the Office of Naval Research as Chief of Naval Research, has the rank of rear admiral.
- (b) The Office of Naval Research shall perform such duties as the Secretary of the Navy prescribes relating to—
- (1) the encouragement, promotion, planning, initiation, and coordination of naval research;
  - (2) the conduct of naval research in augmentation of and in conjunction with the research and development conducted by the bureaus and other agencies and offices of the Department of the Navy;
  - (3) the supervision, administration, and control of activities within or for the Department relating to patents, inventions, trademarks, copyrights, and royalty payments, and matters connected therewith; and
  - (4) the execution of, and management responsibility for, programs for which funds are provided in the basic and applied research and advanced technology categories of the Department of the Navy research, development, test, and evaluation budget in such a manner that will foster the transition of science and technology to higher levels of research, development, test, and evaluation.
- (c) Sufficient information relative to estimates of appropriations for research by the several bureaus and offices shall be furnished to the Office of Naval Research to assist it in coordinating naval research and carrying out its other duties.
- (d) The Office of Naval Research shall perform its duties under the authority of the Secretary, and its orders are considered as coming from the Secretary.

AUG 3 - 2007



DEPARTMENT OF THE NA  
OFFICE OF NAVAL RESEARCH  
800 NORTH QUINCY STREET  
ARLINGTON, VA 22217-5660

IN REPLY REFER TO

27 October 1994

## MEMORANDUM FOR COUNSEL, OFFICE OF NAVAL RESEARCH

Subj: DELEGATION OF AUTHORITY

Ref: (a) 10 U.S.C. 5022  
(b) SECNAVNOTE 5430 of 4 Dec 92  
(c) OCNRINST 5216.B of 24 Oct 91

1. Pursuant to references (a) and (b) this memorandum reaffirms the handwritten delegation of authority to the Corporate Counsel by J. B. Mooney, Jr., Chief of Naval Research, that has been in effect since 22 August 1986. That authority is restated and augmented as follows. You are authorized to:

a. Sign the following official correspondence by "functional title" and "By direction" as appropriate:

(1) Memoranda to the Office of Legislative Affairs providing comments on behalf of the Office of Naval Research (ONR) on proposed legislation.

(2) Freedom of Information Act (FOIA), Privacy Act, and other statistical reports.

(3) Responses to the General Accounting Office and General Services Administration Board of Contract Appeals on bid protests.

(4) Legal documents related to proceedings before the Merit Systems Protection Board and Equal Employment Opportunity Commission.

(5) FOIA releases.

(6) Correspondence involving patents, inventions, trademarks, copyrights, royalty payments, and matters connected therewith, unless precluded by paragraph 6b of reference (c).

b. Sign other documents necessary to:

(1) Execute applications for Foreign Letters Patent where title to such applications is in the United States of America as represented by the Secretary of the Navy.

(2) Execute applications for United States Patent where the United States of America as represented by the Secretary of the Navy has title to or sufficient proprietary

Subj: DELEGATION OF AUTHORITY

interest in the inventions covered by such applications as to warrant the filing under Title 35, United States Code, section 112.

(3) Grant licenses under inventions owned by the United States of America as represented by the Secretary of the Navy.

(4) Enter into agreements on behalf of the Navy for the purchase of rights in inventions, patents and copyrights, to settle claims of patent and copyright infringement, and to settle claims for damages resulting from imposition of Secrecy Orders on patent applications.

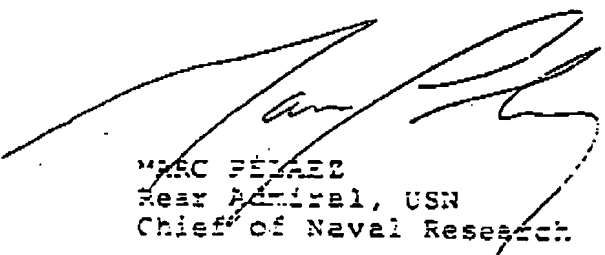
(5) Appoint attorneys for the purpose of filing and prosecuting patent applications in which the United States of America as represented by the Secretary of the Navy has an interest either by way of title or license and to sign the necessary powers of attorney.

(6) Accept by your signature, on behalf of the United States of America as represented by the Secretary of the Navy, licenses or assignments to inventions, patents, and applications for patents.

(7) Execute by direction of the Secretary of the Navy all certifications of information, papers, documents and records furnished by the Department of the Navy in compliance with a call of the court in any cause arising from or based upon an invention, patent, copyright or any interest in or right under an invention, patent or copyright.

c. Redesignate authorities identified in 1a(6) and 1b to the Deputy Counsel (Intellectual Property) and other responsible personnel in the Office of Counsel, and authority to redesignate those authorities identified in 1b to other responsible Navy personnel consistent with the integration of the Navy Patent Organization into the Office of the General Counsel.

d. Redesignate authorities identified in 1a(2) and (4) to other responsible personnel in the Office of Counsel.



WARC PELAEZ  
Rear Admiral, USN  
Chief of Naval Research



DEPARTMENT OF THE NAVY  
OFFICE OF THE CHIEF OF NAVAL RESEARCH  
ARLINGTON, VIRGINIA 22217-5000

IN REPLY REFER TO  
5216  
Ser OOCCEP1/72  
11 Aug 86

MEMORANDUM FOR COUNSEL, NAVAL AIR SYSTEMS COMMAND  
COUNSEL, NAVAL SEA SYSTEMS COMMAND  
COUNSEL, SPACE AND NAVAL WARFARE SYSTEMS COMMAND  
COUNSEL, STRATEGIC SYSTEMS PROJECT OFFICE  
COUNSEL, JOINT CRUISE MISSILES PROJECT  
COUNSEL, SPECIAL PROJECTS DIVISION  
COUNSEL, EUROPEAN BRANCH

Subj: DELEGATION OF AUTHORITY

Ref: (a) SECNAV memo of 23 Dec 85; subj: Reorganization of  
Patent Lawyers

1. The purpose of this memorandum is to delegate authorities to Offices of Counsel within the Office of the General Counsel to enable them to effectively implement Navy patent policy in accordance with reference (a) and conduct an effective patent program for the Navy.
2. The following authorities are delegated to addressees with authority to redelegate to senior attorneys registered to practice before the U.S. Patent and Trademark Office (PTO):
  - a. To make charges against the Office of the Chief of Naval Research's (OCNR) deposit account in the PTO for the conduct of official Navy business in the PTO. This authority may be delegated to no more than two senior patent attorneys in any one office. (So proper notification may be made to the PTO of the individuals authorized to make charges against the OCNR's deposit account in the PTO, addressees should notify the undersigned as soon as possible of the names of the individuals to whom the authority is to be redelegated).
  - b. To investigate, deny or recommend settlement of administrative claims for infringement of patents or copyrights. All settlement agreements must be approved by and signed in the OCNR.
  - c. To make application for registration of trademarks for Navy marks and to file oppositions to applications for registration of conflicting marks by others, and to make all decisions affecting those proceedings. (All declarations in accordance with 37 CFR §2.20 and appointment of attorneys of record must be forwarded to OCNR Code OCCC for signature by the Chief of Naval Research (CNR) or, in the absence of the CNR, by his Deputy).

Subj: DELEGATION OF AUTHORITY

3. The following authorities are delegated to addressees and should be redelegated to the senior patent attorney or his alternate at each naval activity:

a. To file applications for patents and Statutory Invention Registrations (SIRs) in the PTO and to make all decisions affecting the prosecution of these applications.

b. To evaluate Navy inventions and make determinations of the type of protection (patent, SIR or publication), if any, required by the Navy for inventions originating at their respective naval activities and contractors. (This is an interim delegation and its effectiveness will be reviewed by the OCNR after a sufficient trial period. Addressees are encouraged to either recommend continuation of this delegation or to submit proposed revisions of the delegation to the OCNR for consideration.)

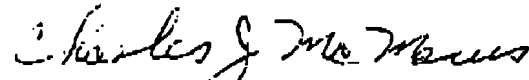
c. To determine rights in inventions made by Navy employees in accordance with Executive Order 10096 and 37 CFR Part 100. All reports and documents to be submitted to the Patent and Trademark Office (PTO) in support of those rights determinations will be submitted to the Deputy Counsel (Patents), OCNR, or his designee for review and transmittal to the PTO.

4. The following authority is delegated to addressees without authority to redelegate:

a. To appoint attorneys to continue prosecution of applications for patents and SIRs and transact all business in the PTO connected therewith in cases where the originally appointed attorneys are not available.

5. The Navy position on regulations and legislation dealing with intellectual property matters shall be formulated in OCNR. Addressees are invited and encouraged to present their views and the views of their client activities to the OCNR for consideration.

6. It is our intention to maintain a smoothly running and effective patent program for the Navy. The delegations contained herein are intended to meet these goals. Comments and recommendations based on operating experience under the delegations contained herein will be invited.



CHARLES J. McMANUS  
Corporate Counsel  
By direction of  
Chief of Naval Research

Copy to:  
Associate General Counsel (Management)